

MOLECULAR AND CELLULAR NEUROBIOLOGY



12h 15


TUESDAY
January 17th 2022

Benoît GIRARD

Centre Médical Universitaire - Université de Genève

Investigating social interactions and their reinforcing properties in rodent

In this talk, we will examine the motivation and reinforcement properties of social interactions in rodents using a combination operant chamber protocols, computer simulations, and behavior analysis techniques. We will focus on new methods for unsupervised learning and computational ethology to study the role of different neuronal populations. Additionally, we will investigate reinforcement learning processes with the aim of standardizing protocols to compare conditions including neuropsychiatric disorders such as autism. The focus will be on understanding the neural mechanisms of social preference and interaction, specifically the role of dopaminergic neurons in the ventral tegmental area and their potential as a substrate for social learning and motivation. Our ultimate goal is to gain insight into the underlying mechanisms of social behavior and assessing potential deficits in neuropsychiatric disorders.



Salle de Conférence 4R4
169, avenue Marianne Grunberg-Manago
Toulouse